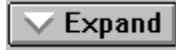


Windows NT and Windows NT Advanced Server 3.1 Update (CSD Version 002 - Build 528)

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

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
























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Running the Update from a floppy disk

1. Insert Update Disk 1 into the floppy drive.
2. At the Windows NT Command Prompt, change to that floppy drive (that is, A: or B:) and type UPDATE.
3. Follow the instructions given on the screen.

Running the Update from a CD-ROM

1. Insert the Update CD-ROM disk into the CD-ROM drive.
2. At the Windows NT Command Prompt, change to that CD-ROM drive, then change to the i386 or MIPS directory (depending upon whether you have an Intel or MIPS CPU), and type UPDATE.
3. Follow the instructions given on the screen.

Running the Update from a network drive

1. At the Windows NT Command Prompt, type the command to connect to the network drive on which the Update files reside.
2. Change to that network drive and type UPDATE.
3. Follow the instructions given on the screen.

Emergency Repair Diskette

If it is necessary to use the Windows NT Emergency Repair Diskette to repair your Windows NT system at some time after you apply the Update, you will need to re-apply the Update after the repair is completed. This is because the Emergency Repair Diskette repairs your system by restoring your original Windows NT setup. After the repair has completed, simply follow the Installation Instructions to re-apply the Update.

Configuring the NWLink Transport

When configuring the NWLink transport using the Network option in Control Panel, you must enter the Network Number as a hexadecimal value rather than as a decimal value as stated in the Help file.

Subsequent Installations

When installing new services for your Windows NT system it may be necessary to rerun the update after the installation of the service. This is because the files installed for the service will be taken from your original installation disks of Windows NT or Windows NT Advanced Server. After the installation of the new service is complete, you should rerun the UPDATE program again. This will insure that your Windows NT system has the most up to date files installed.

List of files that have changed in this update

The following is a list of the files that have changed per this update. Please note that update will not install all of these files on your Windows NT system. If would like to find out what bugs were fixed per file below, you can use the help SEARCH option to get a list of bugs fixed per file.

- [Operating System Files Changed](#)
- [System32 Files Changed](#)
- [Driver Files Changed](#)
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Operating System Files Changed

NTOSKRNL.EXE NTKRNLMP.EXE

For x86 :

HAL.DLL HALAST.DLL HALCBUS.DLL HAL486C.DLL
HALMCA.DLL HALNCR.DLL HALOLI.DLL HALSM2.DLL
HALSP.DLL HALWYSE7.DLL

For MIPS :

HAL.DLL HALDTI.DLL HALDUOMP.DLL HALFXS.DLL
HALACR.DLL

For Alpha :

None

System32 Files Changed

ATI.DLL	BASESRV.DLL	CLIPBRD.EXE
DEMIL32.DLL	DRIVERS.DLL	DRWTSN32.EXE
FRAMEBUF.DLL	GDI.EXE	IPXROUTE.EXE
KRNL286.EXE	KRNL386.EXE	LSASRV.DLL
LSASS.EXE	MSPRIVS.DLL	MSSCHD32.DLL
NETRAP.DLL	NTBACKUP.EXE	NTVDM.EXE
OEMNADLM.INF	OEMNADLT.INF	OEMNXPSM.INF
OS2.EXE	PERFMON.EXE	PORTUAS.EXE
PROGMAN.EXE	RASCAUTH.DLL	RPCLTC3.DLL
RPCLTC6.DLL	RPCRT4.DLL	SFMMON.DLL
SFMPRINT.EXE	TCPIPSVC.DLL	TELNET.DLL
TERMINAL.EXE	UPS.EXE	WINMSD.EXE
WINMSDP.EXE	WINSPOOL.DRV	WINSRV.DLL
WINVER.EXE	XACTSRV.DLL	WOW32.DLL
WSOCK32.DLL	DGCONFIG.DLL	LOCALSPL.DLL
OEMNADDS.INF	SFMWSHAT.DLL	USER32.DLL
FTPSVC.EXE		

Driver Files Changed

BROWSER.SYS	CDFS.SYS	ELNK16.SYS
ELNKII.SYS	ELNKMC.SYS	FTDISK.SYS
IBMTOK.SYS	LANCE.SYS	MUP.SYS
MVAUDIO.SYS	NBF.SYS	NBT.SYS
NCR77C22.SYS	NCRC710.SYS	NDIS.SYS
NE3200.SYS	NPFS.SYS	NTFS.SYS
PROTEON.SYS	RDR.SYS	SCSIDISK.SYS
SCSIPOINT.SYS	SFMATAK.SYS	SFMSRV.SYS
SRV.SYS	TCPIP.SYS	UBNEI.SYS
WDVGA.SYS	4MMDAT.SYS	ARCHQIC.SYS
DIGIFEP5.SYS	NTCX.SYS	NTXALL.SYS
NTXEM.SYS	S3.SYS	

Print Driver Files Changed

HPDSKJET.DLL

JP350.DLL

Command Reference Colors

Some commands in the Command Reference (NTCMDS.HLP) list of commands are not visible if a user's system colors are set to Window Text = white and Window Background = black. Change your Windows Background to a lighter color to see all commands in the list.

Bug # 766 Multiple NE3200 cards in MIPS cause system failure.

Description of bug:

When you install multiple NE3200s in a MIPS DUO machine, the machine will hang while loading services and will become completely unusable. You cannot run anything that has a reliance on a service (i.e., eventvwr, rdr, srv, control panel->devices, control panel->services, etc.).

Component(s) affected:

elink16.sys	elinkmc.sys
lance.sys	ndis.sys
ne3200.sys	hal*.dll

Bug # 786 Services For Macintosh: Mac Passwords with lower-case extended characters don't work correctly.

Description of bug:

If a Mac client changes its password on a Windows NT Advanced Server and uses a lower-case extended character, logons to the domain from a Windows NT client with that password will subsequently fail. Using an upper-case extended character, the user will be able to log on to the domain correctly.

Component(s) affected:

sfmsrv.sys

Bug # 793 Proteon driver loses pending requests.

Description of bug:

The problem was that the driver did not wait for the last step of card initialization (enabling the transmitter) to complete before telling the system that it was done. On a very fast machine, a transport (e.g., NBF) could be loaded before the transmitter finished enabling (this can take over a second). This would cause the card not to properly enable, so it would not transmit.

Component(s) affected: proteon.sys

Bug # 826 Format fails with "error writing partition table."

Description of bug:

SETUP will fail when formatting a partition on some machines. FORMAT will fail with the message "error writing partition table." FORMAT will write the new system ID on the wrong partition.

Component(s) affected: hal*.dll

Bug # 862 NTLDR Error message "IoAllocateAdapterChannel: Adapter in use"

Description of bug:

NTLDR prints

"IoAllocateAdapterChannel: called while Adapter in use"

40-50 times while reading the disk during the loading of the system. This only occurs on two large disk systems (24 drives on 4 channel SCSI controller). It appears smaller systems (13 and 3 drives) do not show this problem. System appears to boot OK, just the annoying message.

Component(s) affected: ntldr

Bug # 870 PortUAS should have Ctrl+C handler to restore user modals.

Description of bug:

The PortUAS app sets the user modals (such as minimum password length, and password history) to temporary values while the application is running, and then sets them to their final values at the end of the run. If the admin hits ^C (Control+C), the temporary values are left in effect.

Component(s) affected: portuas.exe

Bug # 877 Services For Macintosh: Print monitor does not handle >255 zones.

Description of bug:

There is a hard-wired constant in the monitor that should be changed to dynamic if a return code indicates buffer overflow.

Component(s) affected:

sfmatalk.sys

sfmmon.dll

sfmprint.exe

sfmsrv.sys

Bug # 878 Services For Macintosh: Router double faults.

Description of bug:

Router double faults if attempting to get the zone list for a large number of zones. The problem has to do with a very deep nesting of calls when the router routes internally.

Component(s) affected:

sfmatalk.sys

sfmmon.dll

sfmprint.exe

sfmsrv.sys

Bug # 895 Services For Macintosh: Print spooler does not work for embedded jobs.

Description of bug:

The problem was that all data after the EOF in the job stream was being discarded.

Component(s) affected:

sfmprint.exe

Bug # 984 Memory corruption occurs under extremely heavy stress.

Description of bug:

When a very heavy server stress was run (14 disks, 256Mb memory, 400 processes), after 6 to 20 hours the machine crashes because a page of memory is being reused when it should not be.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 996 RASCAUTH: Problem uppercasing extended characters

Description of bug:

RASCAUTH.DLL (RAS client side authentication) doesn't properly uppercase extended characters in usernames/passwords.

Component(s) affected: rascauth.dll

Bug # 1087 Changing nonpagedpool in registry makes system unbootable.

Description of bug:

If this value is changed to be larger than about 1/3 of the system's physical memory, the system will not boot.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 1123 UPS service does not shut down Windows NT after expected battery life.

Description of bug:

When using a UPS that does not have the ability to send a low battery signal to the computer, the user must specify the expected battery life and the charge rate for the battery. When the battery life drops to 2 minutes, the file specified in the "Execute command file" field should be executed and Windows NT should then shut down. This file is never run and a shutdown of Windows NT never occurs. What happens instead is that, when the expected battery life time is reached, the UPS service terminates.

Component(s) affected: ups.exe

Bug # 1131 TCP corrupts data if reserved bits in header are set.

Description of bug:

There is a potential for data corruption in TCP. There are six bits in the TCP header that are reserved and are supposed to be zero. If two of these bits are set in a data-bearing segment, TCP will miscalculate the data offset by up to three bytes and possibly corrupt the data. Most stacks, however, do not set these bits.

Component(s) affected: tcpip.sys

Bug # 1135 NBF can disconnect WFW 3.11 RAS clients incorrectly.

Description of bug:

The problem is that NBF does not reset its counter when it acknowledges an I-frame due to a non-final RR (Receive Ready).

Component(s) affected: nbf.sys

Bug # 2178 Browse option does not handle compressed files.

Description of bug:

The Browse option will not accept a share with compressed files.

Component(s) affected: drivers.dll

Bug # 2358 WinMSD File Details access violates on some files.

Description of bug:

Locating "fat_rec.sys" with the File Find feature and then asking for File Details causes an access violation.

Component(s) affected: winmsd.exe

Bug # 2506 Archive 2250 gets bad block on tape during restore.

Description of bug:

The Archive 2250 backs up and verifies correctly, but when it attempts to restore data, the tape device hangs and writes "Fatal error on drive 1" to the screen. In the Event Viewer, the following error is recorded: "The device \Device\Tape0 has a bad block."

Component(s) affected: archqic.sys

Bug # 2522 Performance Monitor access violates when playing back log data when PerfData is bad.

Description of bug:

If Performance Monitor is monitoring multiple systems, and one of them goes down, then the log file may not be readable. If it is not readable, Performance Monitor will get an access violation.

Component(s) affected: perfmon.exe

Bug # 2583 Compaq Prosignia hangs scanning c710.

Description of bug:

Certain Compaq Prosignia machines fail setup. The machine that was found to fail had a BIOS dated 4/8/93. In every case of failure, the machine hangs and the floppy drive light stays on.

Component(s) affected: nrc710.sys

Bug # 2686 Trap A in Elnk16 NDIS driver with Services For Macintosh running

Description of bug:

The trap occurred after Mac services were installed and the "Welcome" screen was displayed. This is a result of a hardware conflict between the Elnk16 and the LPT1 port.

Component(s) affected:

elnk16.sys	elnkmc.sys
lance.sys	ndis.sys
ne3200.sys	

Bug # 2706 Printer drivers have bugs (JP350.DLL & HPDSKJET.DLL).

Description of bug:

1. Only a small subset of resident fonts are enumerated in Apps. Some of these print incorrectly. There is no font compatibility with Windows 3.1.
2. Graphics print speed is much slower than it should be.

Component(s) affected:

hpdsjet.dll

jp350.dll

Bug # 2708 Redirector can't connect LPT connection to 12-15 character server name.

Description of bug:

The Windows NT redirector would fail when attempting to connect to an LPT share on a server with a name between 12 and 15 characters (i.e., net use lpt1: \\longservername\printer).

Component(s) affected: rdr.sys

Bug # 2720 NTVDM can't open COM port after terminal.exe uses it.

Description of bug:

NTVDM can't open a COM port that has the error character enabled. Unfortunately, terminal.exe sets an error character and the COM port settings are sticky across opens. So NTVDM can't use any COM ports touched by terminal.exe unless another program has turned off the error character.

Component(s) affected: ntvdm.exe

Bug # 2738 Hotkeys leak.

Description of bug:

When processing WM_HOTKEY events, the system allows the key event to pass through to the application with the focus even though the hotkey was processed.

Component(s) affected: winsrv.dll

Bug # 2757 Memory manager doesn't reset event when paging in executable.

Description of bug:

A paging event was not being reset correctly by the memory manager.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 2792 Terminal: Alt key doesn't work.

Description of bug:

After connecting to another machine via telnet, the Alt key doesn't work within terminal.

Component(s) affected: terminal.exe

Bug # 2801 32-bit driver returns 0 from GetDeviceCaps(NUMCOLORS).

Description of bug:

Paintbrush shows up black and white on a 32-bit display device as a result of the bug.

Component(s) affected:

ati.dll

framebuf.dll

jzvx1484.dll

wow32.dll

Bug # 2822 PortUAS maps non-English characters incorrectly.

Description of bug:

PortUAS was incorrectly mapping certain non-English characters (i.e., an 'o-umlaut' was mapping to an 'a').

Component(s) affected: portuas.exe

Bug # 2825 Print Manager traps if more jobs are added to a paused queue.

Description of bug:

1. Start Print Manager.
2. Send jobs to a local queue that has been paused.
3. Change the job order by highlighting the request with the cursor and dragging and dropping the request (last job moved to the first position).
4. Add more jobs. These additional requests do not appear as queued requests in the local window. Click on the white space where the entry should be (i.e., below the last queued request) and "Untitled" appears in the lower bar window.
5. Close and reopen Print Manager and click on the white space where the additional requests should be (the same location as before).
6. A window appears, stating "Printman.exe - Application error. The instruction at "0x01c78c0c" referenced memory at "0x00440030". The memory could not be read." The system must be rebooted to clear this state.

Component(s) affected: localspl.dll

Bug # 2841 Spoolss.exe crashes when ENTER is hit twice in Appletalk dialog.

Description of bug:

With Windows NT Services for Macintosh installed and running, and a printer created:

1. Start Print Manager.
2. Choose Printer/Properties...
3. Choose Print to:/Network Printers...
4. Select AppleTalk Printing Devices and choose OK.
5. Press ENTER to enumerate the zone.
6. Immediately press ENTER again.
7. Spoolss.exe application error occurs.

Component(s) affected:

sfmatalk.sys	sfmmon.dll
sfmprint.exe	sfmsrv.sys

Bug # 2844 NE3200 hangs open if issued during reset.

Description of bug:

System boot doesn't fully complete and the redirector and server don't get loaded, because one of the transports hangs during its load sequence. This causes the service controller to hang, which causes lots of other things to hang. This bug occurred only when the card was not connected to a network, or was on a very quiet network.

Component(s) affected: ne3200.sys

Bug # 2849 Truncated display of NTFS partitions from non-Windows NT machines.

Description of bug:

Windows NT shows the wrong filecount on NTFS partitions in certain configurations when attempting to display files with umlauts. It truncates the display after 8, 18, 28, 38, etc. files in alphabetical order. Directories will disappear as well.

Component(s) affected: `srv.sys`

Bug # 2854 File server causing WFW clients to get sharing violations.

Description of bug:

A file-locking bug was causing WFW Access clients to get sharing violations.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 2866 Publisher 2.0 access violates in Printer browsing.

Description of bug:

1. Make sure at least one printer is defined in Print Manager. If not, create one.
2. Open Publisher 2.0.
3. Select File, Print Setup from the menu.
4. Choose the Network button.

Result: Access Violation

Component(s) affected: winspool.driv

Bug # 2871 Writing to PAGE_EXEUTE_WRITECOPY page causes trap.

Description of bug:

A stress test of the Virtual APIs would cause a crash of the operating system on about the 9th iteration of an API.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 2877 SCSIPIORT does not recognize device types > 7F.

Description of bug:

The SCSI port and class drivers needed to be modified to recognize SCSI devices with a device type greater than 7Fh.

Component(s) affected:

scsidisk.sys

scsiport.sys

Bug # 2923 Services For Macintosh: Setup paths to files are hard-coded to setup drive

Description of bug:

Windows NT SFM Setup hard codes the path for all SFM files in the registry to the drive that happened to be the Windows NT system root drive when SFM was installed. This causes problems if another hard disk is added and Windows NT reletters the drives to accommodate the new drive.

Component(s) affected:

oemnadlm.inf

oemnadlt.inf

oemnxpsm.inf

Bug # 2940 Alt+Doubleclick gives property box despite restrictions being set.

Description of bug:

Even if the User Profile Editor has been used to lock down all possible access in Program Manager, Alt+Doubleclick on whitespace causes a properties dialog to come up for a program item, which allows the user to access the properties.

Component(s) affected: progman.exe

Bug # 2947 OS/2 Subsystem: SQL Server 4.2 faults.

Description of bug:

When starting SQL Server, the error "kistartup: no memory for non-network thread stacks (need 12288 bytes)" would be displayed.

Component(s) affected: os2.exe

Bug # 2950 DOS clients report incorrect disk space on 2 gig or more Windows NT volumes.

Description of bug:

The information reported back to the DOS client was too large for the operation performed on the client to determine available free space, so the client would report "0 bytes free."

Component(s) affected: `srv.sys`

Bug # 2953 MSMAIL32 - can't attach filenames with extended characters.

Description of bug:

Extended characters in filenames would cause file operations to fail in both MSMAIL32 and SCHDPL32.

Component(s) affected: demil32.dll

Bug # 2968 Stress causes system_service_exception on NTFS.

Description of bug:

Stress had been run on a MIPS server when this error occurred.

Component(s) affected: ntfs.sys

Bug # 2976 Unterminated DEC LANCE adapter crashes Windows NT.

Description of bug:

Using the LANCE.SYS driver on a DEC Etherworks Turbo adapter and by unplugging and plugging the Ethernet cable, the system will crash with an "Out of System PTEs" crash code.

Component(s) affected:

eInk16.sys	eInkmc.sys
lance.sys	ndis.sys
ne3200.sys	

Bug # 3004 Idle time calculation anomaly

Description of bug:

Currently, some amount of used CPU time can be applied as idle time. This causes an unacceptable discrepancy for applications such as Performance Monitor.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

hal*.dll

Bug # 3018 Pro Audio Spectrum 16 CD audio cable doesn't work with Windows NT driver.

Description of bug:

No audio is output when playing an audio CD from CD Player or Media Player within Windows NT when using a CD-ROM drive connected to a Media Vision Pro Audio Spectrum 16 sound card.

Component(s) affected: mvaudio.sys

Bug # 3084 Publisher package Change Icon crashes WOW.

Description of bug:

Create a package with Packager, and then choose Copy Package to get it in Clipboard. In Publisher 2, choose Edit Paste Object to paste package into document. Then choose Edit Package and Object Convert, click the "Display as Icon" button, and the "Change Icon" button appears. Click the "Change Icon" button, and WOW crashes.

Component(s) affected:

krnl286.exe

krnl386.exe

Bug # 3092 Redirector sets date and time incorrectly to LM 2.x server.

Description of bug:

The redirector currently has a bug that causes it to set the time on files incorrectly on an LM 2.x Ring 3 and Ring 0 server. This problem does not occur on all servers.

Component(s) affected:

rdr.sys

Bug # 3098 RASPHONE: Doesn't give right password for callback after change.

Description of bug:

1. Create account - check "User Must Change Password at Next Logon" box.
2. Give account RAS permission and callback.
3. Dial from RASPHONE and use that account.
4. During authentication, you will be prompted to change your password - change it.
5. When prompted for callback number, type in client's phone number.
6. While re-authenticating after the callback, you will get a bad username/password error.

Component(s) affected: rascauth.dll

Bug # 3102 Can read a locked region of a file on redirect.

Description of bug:

1. Create a file.
2. Write some data.
3. Lock half of the data.
4. hfile2 = Open the file.
5. ReadFile(hFile2)

The ReadFile from the second handle should fail as the data is locked.

Component(s) affected: rdr.sys

Bug # 3131 Paged Pool leaks.

Description of bug:

A page pool leak was occurring when an API was being called with the IgnoreCase parameter set to TRUE.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 3160 Mup crashes with 2 redirectors.

Description of bug:

When 2 redirectors were loaded, the Mup component would crash.

Component(s) affected: mup.sys

Bug # 3161 NCR video driver fails on fast machine.

Description of bug:

The NCR miniport driver fails on some faster machines due to a bug in the palette programming.

Component(s) affected: ncr77c22.sys

Bug # 3171 Telnet crashes Services when exiting terminal program.

Description of bug:

There is a timing window in the telnet service that can cause the master thread to delete the client's critical section before the client thread terminates. This occurs if the terminal program closes just before the master tries to write the telnet> prompt. The master's write then fails,

causing it to error out and delete the critical section. The client's read then fails, causing it to try to access the critical section during its termination processing. The client thread then access violates.

Component(s) affected: telnet.dll

Bug # 3175 Browser Monitor crashes NBT.

Description of bug:

While running the Browser Monitor, an NBT bug that is caused by referencing through a freed pointer can be exposed. Normally, this is fairly benign. However, if the pool of memory backing the pointer is freed, the system will crash.

Component(s) affected: nbt.sys

Bug # 3209 Mail from WINFILE crashes when auto spell-check is on.

Description of bug:

From Mail32, turn on the automatic spell-check (under <mail><options>), and then try to mail a message from File Manager. At the point at which the spelling check is attempted, an application exception occurs. Dr. Watson generates a log:

WINFILE.exe

Exception: access violation (0xc0000005), Address: 0x77da22f6

Component(s) affected: demil32.dll

Bug # 3215 Swedish privilege text is incorrect.

Description of bug:

Some of the privilege names were incorrect.

Component(s) affected: msprivs.dll

Bug # 3231 NDIS : Ndis API does not free buffer.

Description of bug:

An Ndis API does not free the buffer that it allocated to hold the image that was read in.

Component(s) affected: ndis.sys

Bug # 3242 Can't copy >4 GB file from Windows NT to Windows NT.

Description of bug:

It was reported that the SQL dump utility was unable to dump (back up) an 8 GB database across the net. The transfer fails after copying 4 GB.

Component(s) affected: rdr.sys

Bug # 3244 Services For Macintosh: SID/Name cache entries are not getting

aged out.

Description of bug:

When a user account is deleted, if SFM has a SID/name entry in its cache for that user, it should get aged out of the cache after 5 minutes if there is no access to the pair.

Component(s) affected: sfmsrv.sys

Bug # 3245 Services For Macintosh: Can't move items from same volume to locked folder.

Description of bug:

When setting the locked box on a folder (read-only bit on Windows NT), dragging files or folders is not possible from the same Mac volume to the locked folder. You can, however, drag files or folders from another volume on the same server, a different server, or your Mac HD to the locked folder.

Component(s) affected: sfmsrv.sys

Bug # 3251 NPFS: Calling a pageable function while holding spinlock

Description of bug:

The bug is in an API that is obtaining a spinlock, and then calling a pageable function.

Component(s) affected: npfs.sys

Bug # 3260 Two Net cards do not work for TCP.

Description of bug:

An uninitialized variable prevents dual net cards from working. This problem only occurs if the last octet of the IP address of the second net card is greater than 127.

Component(s) affected: tcpipsvc.dll

Bug # 3263 SetCaret API does not work correctly in multi-threaded Win32 applications.

Description of bug:

Code with the following logic would fail:

Thread 1: Creates a window and starts another thread.

Thread 2: Uses an API to synchronize the two threads' "Input State", attempts to write to the window of Thread 1, and then tries to set the caret via SetCaret().

Component(s) affected: winsrv.dll

Bug # 3282 Registry string that ends at page boundary causes fault.

Description of bug:

If a registry string ends exactly at a page boundary, a fault will occur.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 3299 Ndis.sys crashes on MIPS machines.

Description of bug:

This crash was due to some alignment problems.

Component(s) affected: ndis.sys

Bug # 3348 Server crashes while processing a LAN Manager API.

Description of bug:

A machine running a particular LAN Manager API on a remote Windows NT server would cause the Windows NT system to crash.

Component(s) affected:

netrap.dll

xactsrv.dll

Bug # 3353 Browser access violates while classifying an illegal datagram.

Description of bug:

There is a bug in the browser.sys driver that can occur when processing an illegal datagram on streams transports. If the datagram passed in is shorter than will fit in a valid transaction SMB, the browser will check beyond the end of the buffer, potentially access violating.

Component(s) affected: browser.sys

Bug # 3372 Digiboard digifep5 driver can't load.

Description of bug:

Trying to load the Digiboard drivers (pcimac or digifep5) at valid I/O and memory addresses results in a crash.

Component(s) affected:

dgconfig.dll	digifep5.dll
ntcx.dll	ntxall.sys
ntxem.sys	oemnadds.inf

Bug # 3377 NTFS doesn't correctly set archive bit.

Description of bug:

With an Access database running on an NTFS partition, the archive bit does not get set. While doing a full backup, all archive bits were cleared. Access was then entered and several records were deleted from the database. Checking both in File Manager and with the Attrib command, it was noticed that the archive bit is not set. This means that an incremental or differential backup will not back up this changed file.

Component(s) affected: ntfs.sys

Bug # 3410 256 color does not work on some Toshiba portables.

Description of bug:

On many Toshiba portables, 256 color modes do not work. When the machine is started, only some random color appears in the top part of the screen. The only work around is to go back to 16 colors.

Component(s) affected: wdvga.sys

Bug # 3412 Schdpl32 - data misalignment in access privileges

Description of bug:

Data alignment problems were causing a crash.

Component(s) affected: msschd32.dll

Bug # 3421 Bug in Memory Manager causes crash.

Description of bug:

There was a bug in one of the memory management routines that probes and locks pages. It was an anomaly that this routine was called without also calling probe for read/write.

Component(s) affected:

ntoskrnl.exe

ntkrnlmp.exe

Bug # 3426 CDFS crash; Unhandled Kernel exception crash

Description of bug:

Machine crashed to blue screen. One crash indicated CDFS_FILE_SYSTEM had crashed. Second crash indicated:

Stop: 0x0000001E (0xC0000005, 0xFCB10CCF, 0x00000000, 0x00000015)

Unhandled kernel exception C0000005 from FCB10CCF (0,15)

Address FCB10CCF has base at FCB00000 - SFMSRV.SYS

Steps to reproduce:

1. Connect to a CD Mac volume on Windows NT Advanced Server (Build # 511) from a Mac.
2. Go into a subdirectory.
3. Replace the CD on the Windows NT Advanced Server.
4. Select another file or subdirectory on the Volume on the Mac.
5. A message pops up on Windows NT Advanced Server asking for the right CD. Click on Retry several times without changing the CD, and the system crashes.

Component(s) affected: cdfs.sys

Bug # 3429 NDIS Indications crash if no memory is available.

Description of bug:

If the API that allocates memory fails, an NDIS crash could occur.

Component(s) affected:

eInk16.sys	eInkii.sys
eInkmc.sys	ibmtok.sys
lance.sys	ubnei.sys

Bug # 3433 Restore loops endlessly when it has exactly 4GB more data.

Description of bug:

When doing a restore, NTBackup loops when it has exactly 4GB more data to process.

Component(s) affected: ntbackup.exe

Bug # 3435 Internal program access violates on exit under mail

Description of bug:

WOW was not setting the sound pointer correctly because of an uninitialized variable.

Component(s) affected: wow32.dll

Bug # 3443 Visual Basic application crashes Windows NT

Description of bug:

The Windows NT machine freezes if a Visual Basic application uses MicroHelp's 3-D Gizmos version 2.10.

Component(s) affected: winsrv.dll

Bug # 3449 Novell WorkPlace TCP/IP connection hanging

Description of bug:

If a Novell WorkPlace TCP/IP client sends a large amount of data to a Windows NT server, it eventually will hang. This problem was noticed while testing a SQL Server Novell TCP/IP client.

Component(s) affected: tcpip.sys

Bug # 3454 APIs do incorrect comparisons.

Description of bug:

Two port APIs were taking a parameter as an integer, but then doing comparisons of the integer against an unsigned short, which is incorrectly sign-extended. This means that if a port or protocol number greater than 127 is passed into these routines, then they will not return any information.

Component(s) affected: wsock32.dll

Bug # 3455 Stamping Version Information on 16-bit GDI.EXE

Description of bug:

Version information needs to be stamped on 16-bit GDI.EXE. Absence of this information from GDI.EXE causes MapInfo 2.1 to access violate.

Component(s) affected: gdi.exe

Bug # 3463 4mm DAT does not work in 1K block mode.

Description of bug:

NTBackup fails to back up, reporting fatal hardware error on tape device, when set to 1k block mode transfers.

Component(s) affected: 4mmdat.sys

Bug # 3465 Low memory can cause USER APIs to return random values.

Description of bug:

When the API to create a window was called, it was returning a bad value.

Component(s) affected: user32.dll

Bug # 3471 Wangtek 525 NMIs the system when running backup on MCA.

Description of bug:

The DMA controller times out and NMIs the system when performing odd byte 16-bit data transfers. This is most easily reproduced using the Wangtek 525 tape drive and performing a backup on a system using 16-bit slave DMA SCSI (NCR 3350/3410 with NCR53c9x.sys SCSI).

Component(s) affected: halmca.dll

Bug # 3501 Fatal System Error caused by proteon.sys.

Description of bug:

The Proteon NDIS driver was causing a fatal error under stress.

Component(s) affected: ndis.sys

Bug # 3506 WOW32 access violation

Description of bug:

When running internal test suites for WinSock, some tests calling an API with NULL pointers would either access violate, or have too large of a value returned from the API.

Component(s) affected: wow32.dll

Bug # 3516 Access violation in Lsa API

Description of bug:

A redundant line of code would cause an access violation in lsass.exe.

Component(s) affected:

lsasrv.dll

lsass.exe

Bug # 3517 Bad loop counter in NCR miniport driver

Description of bug:

A loop variable in the NCR miniport driver is defined as UCHAR, but the value can go up to 256, which causes problems. This has ill affect when trying to save and restore DOS apps.

Component(s) affected: ncr77c22.sys

Bug # 3527 S3 (#9 only) drivers have vertical scan rates reversed.

Description of bug:

Windows NT version 3.1 has mislabeled the video drivers for the S3 (#9) drivers. When requesting the 72Hz driver, the 60Hz driver is loaded. When requesting the 60Hz driver, the 72Hz driver is loaded.

Component(s) affected: s3.sys

Bug # 3528 Trap A running CD-ROM stress on a multi-processor machine

Description of bug:

Under extreme stress, a race condition was exposed that would cause a crash in CDFS.

Component(s) affected: cdfs.sys

Bug # 3578 Schdpl32 data misalignment

Description of bug:

Data alignment problems were causing problems in Schedule Plus.

Component(s) affected: msschd32.dll

Bug # 3581 PortUAS: add /log:filename switch

Description of bug:

A "/log:filename" switch was added to the PortUAS command line.

Component(s) affected: portuas.exe

Bug # 3584 OEMNADNF.INF complains no Files-NETFLX section

Description of bug:

The Compaq NetFlex and DualSpeed adapter installation can be picked from the Control Panel-Network Add Adapter list, but the following error message occurs and the setup aborts (this occurs only on MIPS):

"The INF OEMNADNF is missing the referenced file description section [Files-NETFLX]"

Component(s) affected:

filelist.inf

oemnadnf.inf

winperms.txt

Bug # 3587 Mac printing to Windows NT Advanced Server machine causes blue screen.

Description of bug:

Spooled two print jobs to a PostScript printer served by Windows NT Advanced Server Print Manager and Services for Macintosh. A number of errors appeared:

Window Title: System Process - LostDelayed-Write Data

Window Contents: System was attempting to transfer file data from buffers to
 \Device\Harddisk1\Partition1\\$\Mft

 The write operation failed, only some of the data may have
 been written to the file

After reboot, the same two print jobs were resent, and this time the system crashed.

Component(s) affected:

sfmatalk.sys

sfmwshat.dll

Bug # 3613 Acer MIPS system needs more map registers

Description of bug:

The number of map registers was increased for the Acer MIPS HAL.

Component(s) affected: halacr.dll

Bug # 3633 FTPSVC: use of wildcard port results in denial of service.

Description of bug:

Internet firewall gateways are configured to disallow remote TCP connection requests from systems using non-reserved ports. The Windows NT FTP Service is bound to a wildcard port when connecting to the client, which fails in these scenarios. On the client side, any commands like 'ls' or 'get' hang, or eventually time-out.

Component(s) affected: ftpsvc.exe

Bug # 4462 Certain WOW apps GP fault during shutdown.

Description of bug:

In certain cases during the start or shutdown of a WOW application, a GP Fault would occur in krnl386.exe - particularly in 16 bit OLE2 enabled applications.

Component(s) affected: krnl386.exe

This help file created by Tom Hazel.

